

## ADDITIONS TO THE REVISED CATALOGUE OF OHIO VASCULAR PLANTS. XII.<sup>1</sup>

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In spite of travel restrictions, amateur botanists throughout the State have contributed their usual number of specimens to the Herbarium during the past year. Unfortunately, some collections have remained unexamined due to the lack of "man-power" for assistance and to the temporary assignment of herbarium personnel to the teaching of Army classes on the campus. The Curator, however, wishes to thank the numerous collectors for their continued interest and promises a report in detail on their contributions as soon as time and assistance permit.

Without doubt the most important single acquisition of the year is the L. S. Hopkins pteridophyte herbarium consisting of approximately 6200 specimens in excellent condition. In addition, Mr. Hopkins has contributed over 500 specimens representing other families. This latter collection consists for the most part of specimens from the northeastern counties of Ohio. It is particularly valuable as many of the habitats in which these plants were found have since been destroyed.

H. W. Rickett, of the New York Botanical Garden, an authority on the *Cornaceae*, has examined our *Cornaceae* collections and suggested various changes in identification and nomenclature. These changes and the distribution of species by counties are included in their proper numerical position in this report.

Certain entries in the following list of additions are cited by location only, the collector's name being omitted. Such specimens were collected by John N. Wolfe, Richard T. Wareham, and Herbert T. Scofield in the Sugar Grove region during the past five years in connection with their study of the microclimates of that area. To date they have contributed 76 county records, herein recorded for the first time.

The following list of plants represents a majority of the new county and state records which have been added to the State Herbarium during the past year.

7. *Botrychium virginianum* (L.) Sw. Virginia Grape-fern. Good Hope Twp., Hocking Co.
10. *Osmunda cinnamomea* L. Cinnamon-fern. Good Hope Twp., Hocking Co.
- 27.1. *Asplenium bradleyi* D. C. Eaton. Bradley's Spleenwort. Jackson Twp., Pike Co. Floyd Bartley.
56. *Equisetum nelsoni* (A. A. Eat.) Schaffn. Nelson's Scouring-rush. Ashtabula Co. L. E. Hicks.
61. *Equisetum arvense* L. Field Horsetail. Good Hope Twp., Hocking Co.
- 101.1. *Potamogeton crispus* L. Curly Pondweed. Buckeye Lake, Licking Co. State Department of Conservation via G. W. Blaydes.
129. *Spathyema foetida* (L.) Raf. Skunk-cabbage. Good Hope Twp., Hocking Co.
130. *Peltandra virginica* (L.) Kunth. Green Arrow-arum. Good Hope Twp., Hocking Co.
140. *Scirpus lineatus* Mx. Reddish Bulrush. Wayne Co. L. S. Hopkins.
142. *Scirpus sylvaticus* L. Wood Bulrush. Wayne Co. L. S. Hopkins.
- 145.2. *Scirpus occidentalis* (Matson) Chase. Viscid Great Bulrush. Ashland Co. L. S. Hopkins.
148. *Scirpus americanus* Pers. Chair-maker's Rush. Medina Co. L. S. Hopkins.
165. *Eleocharis obtusa* (Willd.) Schultes. Blunt Spikerush. Good Hope Twp., Hocking Co.
176. *Cyperus esculentus* L. Nut-grass. Hocking Twp., Fairfield Co. Charles R. Goslin.
398. *Sporobolus cryptandrus* (Torr.) Gr. Sand Dropseed. Lake Co. L. E. Hicks.
409. *Cinna arundinacea* L. Wood Reed-grass. Highland Co. L. S. Hopkins.
- 442.1. *Aegilopsis cylindrica* Host. Jointed Goatgrass. Cincinnati, Hamilton Co. Loise Clermont.

<sup>1</sup>Papers from the Department of Botany, The Ohio State University, No. 470.

455. *Capriola dactylon* (L.) Ktz. Bermuda-grass. Pickaway Co. C. J. Willard.  
 460. *Homalocenchrus virginicus* (Willd.) Britt. Virginia Cut-grass. Highland Co. L. S. Hopkins.  
 467. *Panicum dichotomisflorum* Mx. Spreading Panic-grass. Medina Co. L. S. Hopkins.  
 483. *Panicum polyanthes* Schultes. Many-flowered Panic-grass. Belmont Co. Emma E. Laughlin.  
 489. *Panicum tennesseense* Ashe. Tennessee Panic-grass. Wayne Co. L. S. Hopkins.  
 494. *Panicum implicatum* Scribn. Slender-stemmed Panic-grass. Wayne Co. L. S. Hopkins.  
 495. *Panicum commutatum* Schultes. Variable Panic-grass. Wayne Co. L. S. Hopkins.  
 496. *Panicum clandestinum* L. Hispid Panic-grass. Wayne Co. L. S. Hopkins.  
 503. *Echinochloa crus-galli* (L.) Beauv. Common Barnyard-grass. Highland Co. L. S. Hopkins.  
 535. *Allium vineale* L. Field Garlic. Seneca Co. Kenneth Rinehart via C. J. Willard.  
 537. *Allium sibiricum* L. Siberian Chives. Franklin Co. C. J. Willard.  
 561. *Trillium sessile* L. Sessile Trillium. Perry Co. Floyd and Elizabeth Clum.  
 564. *Uvularia perfoliata* L. Perfoliate Bellwort. Good Hope Twp., Hocking Co.  
 565. *Uvularia grandiflora* Sm. Large-flowered Bellwort. Good Hope Twp., Hocking Co.  
 570. *Polygonatum biflorum* (Walt.) Ell. Hairy Solomon's-seal. Good Hope Twp., Hocking Co.  
 579. *Smilax scirrhata* (Engelm.) Wats. Upright Smilax. Good Hope Twp., Hocking Co.  
 628. *Iris virginica* L. Virginia Blue-flag. Good Hope Twp., Hocking Co.  
 639. *Galeorchis spectabilis* (L.) Rydb. Showy Orchis. Good Hope Twp., Hocking Co.  
 665. *Isotria verticillata* (Willd.) Raf. Whorled Isotria. Tar Hollow, Ross Co. Clyde H. Jones.  
 668. *Liparis loeselii* (L.) Rich. Fen Twayblade. Tar Hollow, Ross Co. Ethel Harper.  
 670. *Aplectrum hyemale* (Muhl.) Torr. Putty-root. Good Hope Twp., Hocking Co.  
 681. *Ranunculus abortivus* L. Kidney-leaf Buttercup. Perry Co. Floyd and Elizabeth Clum. Good Hope Twp., Hocking Co.  
 690. *Ranunculus hispidus* Mx. Hispid Buttercup. Good Hope Twp., Hocking Co.  
 693. *Ranunculus obtusiusculus* Raf. Lance-leaf Buttercup. Wayne Co. L. S. Hopkins.  
 750. *Sanguinaria canadensis* L. Bloodroot. Perry Co. Floyd and Elizabeth Clum. Good Hope Twp., Hocking Co.  
 754. *Bicuculla cucullaria* (L.) Millsp. Dutchman's-breeches. Perry Co. Floyd and Elizabeth Clum.  
 762. *Berteroa incana* (L.) DC. Hoary Berteroa. Lake Co. Fred Tyler.  
 765. *Draba verna* L. Vernal Whitlow-grass. Good Hope Twp., Hocking Co.  
 793. *Cheirinia inconspicua* (Wats.) Britt. Prairie Cheirinia. Athens Co. Walter P. Porter and P. S. Wamsley.  
 809. *Arabis glabra* (L.) Bernh. Tower Mustard. Hocking Twp., Fairfield Co. Charles R. Goslin.  
 826. *Dentaria laciniata* Muhl. Cutleaf Toothwort. Good Hope Twp., Hocking Co.  
 857. *Oxalis stricta* L. Upright Wood-sorrel. Good Hope Twp., Hocking Co.  
 861. *Oxalis corniculata* L. Procumbent Wood-sorrel. Wayne Co. L. S. Hopkins.  
 863. *Oxalis violacea* L. Violet Wood-sorrel. Good Hope Twp., Hocking Co.  
 873. *Impatiens biflora* Walt. Spotted Touch-me-not. Berne Twp., Fairfield Co. Charles R. Goslin.  
 882. *Polygala viridescens* L. Purple Milkwort. Good Hope Twp., Hocking Co.  
 890.1. *Croton glandulosus* L. Glandular Croton. Adams Co. Conrad Roth.  
 907. *Chamaesyce preslii* (Guss.) Arth. Nodding Spurge. Good Hope Twp., Hocking Co.  
 908. *Chamaesyce humistrata* (Engelm.) Small. Hairy Spreading Spurge. Medina Co. L. S. Hopkins.  
 964. *Viola eriocarpa* Schw. Smooth Yellow Violet. Good Hope Twp., Hocking Co.  
 971.1. *Viola arvensis* Murr. European Field Pansy. Belmont Co. Emma E. Laughlin. Adams Co. Conrad Roth.  
 980. *Viola papilionacea* Pursh. Common Blue Violet. Good Hope Twp., Hocking Co.  
 988. *Viola sagittata* Ait. Arrow-leaf Violet. Adams Co. John N. Wolfe.  
 1001. *Alsine media* L. Common Chickweed. Good Hope Twp., Hocking Co.  
 1018. *Silene stellata* (L.) Ait. f. Starry Campion. Good Hope Twp., Hocking Co.  
 1038. *Claytonia virginica* L. Spring-beauty. Good Hope Twp., Hocking Co.  
 1043. *Phytolacca americana* L. Pokeweed. Good Hope Twp., Hocking Co.  
 1065. *Chenopodium boscianum* Moq. Bosc's Goosefoot. Greenfield Twp., Fairfield Co. Charles R. Goslin.  
 1074. *Atriplex hastata* L. Halberd-leaf Orache. Hocking Twp., Fairfield Co.  
 1080. *Steironema ciliatum* (L.) Raf. Fringed Yellow Loosestrife. Good Hope Twp., Hocking Co.  
 1114. *Persicaria punctata* (Ell.) Small. Dotted Smartweed. Good Hope Twp., Hocking Co.  
 1123. *Polygonum aviculare* L. Doorweed. Hocking Twp., Fairfield Co. Charles R. Goslin.

1129. *Geum canadense* Jacq. White Avens. Good Hope Twp., Hocking Co.  
 1179. *Agrimonia parviflora* Sol. Small-flowered Agrimonia. Good Hope Twp., Hocking Co.  
 1248. *Trifolium agrarium* L. Yellow Hop Clover. Wayne Co. L. S. Hopkins.  
 1287. *Meibomia grandiflora* (Walt.) Ktz. Pointed-leaf Tick-trefoil. Good Hope Twp., Hocking Co.  
 1325. *Strophostyles helvola* (L.) Britt. Trailing Wild Bean. Belmont Co. Emma E. Laughlin.  
 1330. *Sedum ternatum* Mx. Wild Stonecrop. Good Hope Twp., Hocking Co.  
 1331. *Penthorum sedoides* L. Ditch Stonecrop. Good Hope Twp., Hocking Co.  
 1366. *Parthenocissus quinquefolia* (L.) Planch. Virginia Creeper. Good Hope Twp., Hocking Co.  
 1386. *Acer saccharinum* L. Silver Maple. Good Hope Twp., Hocking Co.  
 1387. *Acer negundo* L. Boxelder. Good Hope Twp., Hocking Co.  
 1417. *Fagus grandifolia* Ehrh. American Beech. Good Hope Twp., Hocking Co.  
 1431. *Quercus coccinea* Wang. Scarlet Oak. Good Hope Twp., Hocking Co.  
 1432. *Quercus borealis* Michx. var. *maxima* (Marsh.) Ashe. Red Oak. Tar Hollow, Ross Co. Clyde H. Jones.  
 1433. *Quercus palustris* Du Roi. Pin Oak. Greenfield Twp., Fairfield Co. Charles R. Goslin.  
 1438. *Betula lutea* Mx. f. Yellow Birch. Revenge, Fairfield Co.  
 1452. *Juglans nigra* L. Black Walnut. Good Hope Twp., Hocking Co.  
 1453. *Juglans cinerea* L. Butternut. Good Hope Twp., Hocking Co.  
 1470. *Salix vitellina* L. Yellow Willow. Tar Hollow, Ross Co. Clyde H. Jones.  
 1493. *Grossularia cynosbati* (L.) Mill. Prickly Gooseberry. Perry Co. Floyd and Elizabeth Clum.  
 1532. *Asarum canadense* L. Canadian Wild Ginger. Good Hope Twp., Hocking Co.  
 1555. *Hypopitys americana* (DC) Small. Smooth Pinesap. Tar Hollow, Ross Co. Arthur R. Harper.  
 1579. *Phlox divaricata* L. Wild Blue Phlox. Good Hope Twp., Hocking Co.  
 1619. *Fraxinus biltmoreana* Bead. Biltmore's Ash. Tar Hollow, Ross Co. Clyde H. Jones.  
 1629. *Gentiana flavida* Gr. Yellow Gentian. Bear Creek, Scioto Co. Don Durnell via John N. Wolfe.  
 1637. *Apocynum medium* Greene. Intermediate Dogbane. Wayne Co. L. S. Hopkins.  
 1646. *Asclepias incarnata* L. Swamp Milkweed. Good Hope Twp., Hocking Co.  
 1671. *Physalis heterophylla* Nees. Clammy Ground-cherry. Wayne Co. L. S. Hopkins.  
 1678. *Solanum nigrum* L. Black Nightshade. Cedar Falls, Hocking Co. John N. Wolfe.  
 1682. *Verbascum blattaria* L. Moth Mullen. Good Hope Twp., Hocking Co.  
 1693. *Chelone montana* var. *elatio* (Raf.) P. & W. Mountain Turtle-head. Fairfield Co.  
 1696. *Collinsia verna* Nutt. Blue-eyed-Mary. Pleasant Twp., Fairfield Co. Velma Beougher via Charles R. Goslin.  
 1740. *Chaenorrhinum minus* (L.) Lange. Lesser Toadflax. Berne Twp., Fairfield Co. Charles R. Goslin.  
 1767. *Lappula virginiana* (L.) Greene. Virginia Stickseed. Good Hope Twp., Hocking Co.  
 1787. *Verbena urticaefolia* L. White Vervain. Good Hope Twp., Hocking Co.  
 1793. *Lippia lanceolata* Mx. Frog-fruit. Hocking Co.  
 1799. *Teucrium occidentale* Gr. Hairy Germander. Wayne Co. L. S. Hopkins.  
 1820. *Mentha canadensis* L. American Wild Mint. Medina Co. L. S. Hopkins.  
 1823. *Lycopus virginicus* L. Virginia Water-hoarhound. Hocking Co.  
 1824. *Lycopus uniflorus* Mx. Northern Water-hoarhound. Good Hope Twp., Hocking Co.  
 1828. *Koelia flexuosa* (Walt.) MacM. Narrow-leaf Mountain-mint. Licking Co. H. E. Eswine.  
 1870. *Blephilia hirsuta* (Pursh.) Torr. Hairy Blephilia. Hocking Co.  
 1902. *Deringa canadensis* (L.) Ktz. Honewort. Good Hope., Hocking Co.

#### CORNACEAE. DOGWOOD FAMILY

1935. *Cornus alternifolia* L. f. Blue Dogwood. Greene, Clark, Champaign, Highland, Adams, Scioto, Ross, Pickaway, Franklin, Jackson, Hocking, Fairfield, Licking, Knox, Morrow, Richland, Huron, Erie, Lorain, Wayne, Coshocton, Muskingum, Meigs, Noble, Monroe, Belmont, Harrison, Jefferson, Carroll, Stark, Summit, Cuyahoga, Lake, and Ashtabula Counties.  
 1936. *Cornus amomum* Mill. Silky Dogwood. Defiance, Adams, Jackson, Meigs, Hocking, Licking, Stark, Medina, and Trumbull Counties.  
 1936.1. *Cornus purpusi* Koehne (*C. obliqua*). Oblique Dogwood. Montgomery, Greene, Fayette, Clark, Champaign, Logan, Auglaize, Williams, Lucas, Franklin, Fairfield, Coshocton, Wayne, Richland, Huron, and Ashtabula Counties.  
 1936.2. *Cornus amomum* Mill. x *C. purpusi* Koehne. Clark, Scioto, Franklin, Fairfield, Coshocton, Stark, Summit, Erie, and Ottawa Counties.

1937. *Cornus drummondii* Meyer. (This species has long been known as *C. asperifolia*, which is a species of the southeastern coastal plains.) Drummond's Dogwood. Hamilton, Clermont, Adams, Lawrence, Butler, Warren, Ross, Montgomery, Pickaway, Greene, Morgan, Miami, Clark, Madison, Franklin, Licking, Muskingum, Shelby, Logan, Knox, Coshocton, Auglaize, Hardin, Lucas, Wood, Ottawa, Erie, Lorain and Cuyahoga Counties.
1938. *Cornus rugosa* Lam. Roundleaf Dogwood. Warren, Ross, Lorain, Cuyahoga, Summit, Geauga, Lake, and Ashtabula Counties.
1939. *Cornus racemosa* Lam. (*C. paniculata*, *C. femina*, *C. candidissima*). Racemed Dogwood. Van Wert, Defiance, Williams, Fulton, Lucas, Wood, Hancock, Hardin, Clark, Clinton, Highland, Adams, Ross, Hocking, Fairfield, Delaware, Wyandot, Muskingum, Coshocton, Richland, Erie, Lorain, Wayne, Belmont, Tuscarawas, Carroll, Stark, Cuyahoga, Geauga, and Lake Counties.
1940. *Cornus stolonifera* Mx. Red-osier Dogwood. Lucas, Huron, Stark, Summit, Cuyahoga, Lake, and Ashtabula Counties.
1941. *Cornus florida* L. (*Cynoxylon floridum*). Flowering Dogwood. Williams, Fulton, Defiance, Lucas, Logan, Auglaize, Miami, Clark, Preble, Montgomery, Greene, Butler, Warren, Hamilton, Clermont, Brown, Adams, Scioto, Highland, Pike, Jackson, Gallia, Ross, Vinton, Hocking, Fairfield, Franklin, Licking, Delaware, Morgan, Morrow, Wyandot, Richland, Huron, Lorain, Cuyahoga, Medina, Summit, Stark, Wayne, Holmes, Tuscarawas, Washington, Noble, Monroe, Belmont, Harrison, Carroll, Columbiana, and Trumbull Counties.
1942. *Cornus canadensis* L. (*Cynoxylon canadense*). Bunchberry or Dwarf Dogwood. Licking, Stark, Portage, Geauga, Lake, and Ashtabula Counties.
1951. *Cephalanthus occidentalis* L. Buttonbush. Good Hope Twp., Hocking Co.
1959. *Galium lanceolatum* Torr. Lanceleaf Wild Licorice. Hocking Twp., Fairfield Co. Charles R. Goslin.
2013. *Campanula aparinoides* Pursh. Marsh Bellflower. Good Hope Twp., Hocking Co.
2019. *Lobelia inflata* L. Indian Tobacco. Good Hope Twp., Hocking Co.
2030. *Helioopsis helianthoides* (L.) Sw. Smooth Oxeye. Good Hope Twp., Hocking Co.
2038. *Rudbeckia triloba* L. Thin-leaf Cone-flower. Good Hope Twp., Hocking Co.
2039. *Rudbeckia laciniata* L. Tall Cone-flower. Wayne Co. L. S. Hopkins.
2072. *Bidens laevis* (L.) B. S. P. Smooth Bur-marigold. Good Hope Twp., Hocking Co.
2073. *Bidens cernua* L. Nodding Bur-marigold. Good Hope Twp., Hocking Co.
- 2080.1. *Bidens involucrata* (Nutt.) Britt. Long-bracted Tickseed. Valley of the Hocking River, Athens Co. P. S. Wamsley and Walter P. Porter.
2112. *Antennaria plantaginifolia* (L.) Rich. Plantain-leaf Everlasting. Good Hope Twp., Hocking Co.
2128. *Solidago rigidiuscula* (T. & G.) Port. Slender Showy Goldenrod. Good Hope Twp., Hocking Co.
2134. *Solidago ulmifolia* Muhl. Elmleaf Goldenrod. Geauga Co. L. S. Hopkins.
2150. *Aster shortii* Hook. Short's Aster. Hocking Co. Warren Jacobs.
2151. *Aster azureus* Lindl. Azure Aster. Hocking Co. Warren Jacobs.
2152. *Aster cordifolius* L. Common Blue Wood Aster. Hocking Co. Warren Jacobs.
2153. *Aster lowrieanus* Port. Lowrie's Aster. Hocking Co.
2157. *Aster undulatus* L. Wavy-leaf Aster. Fairfield Co.
2158. *Aster puniceus* L. Purple-stem Aster. Good Hope Twp., Hocking Co.
2163. *Aster prenanthoides* Muhl. Crooked-stem Aster. Hocking Co. Warren Jacobs.
2164. *Aster laevis* L. Smooth Aster. Hocking Co.
2165. *Aster concinnus* Willd. Narrow-leaf Smooth Aster. Hocking Co. Warren Jacobs.
2167. *Aster lateriflorus* (L.) Britt. Starved Aster. Good Hope Twp., Hocking Co.
2169. *Aster vimineus* Lam. Small White Aster. Hocking Co. Warren Jacobs.
2174. *Aster tradescanti* L. Tradescant's Aster. Good Hope Twp., Hocking Co.
2179. *Erigeron philadelphicus* L. Philadelphia Fleabane. Good Hope Twp., Hocking Co.
2180. *Erigeron ramosus* (Walt.) B. S. P. Daisy Fleabane. Good Hope Twp., Hocking Co.
2184. *Doellingeria umbellata* (Mill.) Nees. Tall Flat-top Aster. Wayne Co. L. S. Hopkins.
2195. *Eupatorium aromaticum* L. Smaller Snake-root. Good Hope Twp., Hocking Co.
2204. *Vernonia altissima* Nutt. Tall Ironweed. Good Hope Twp., Hocking Co.
2212. *Achillea millefolium* L. Common Milfoil. Fairfield Co.
2239. *Erechtites hieracifolia* (L.) Raf. Fireweed. Good Hope Twp., Hocking Co.